

Fig. 1

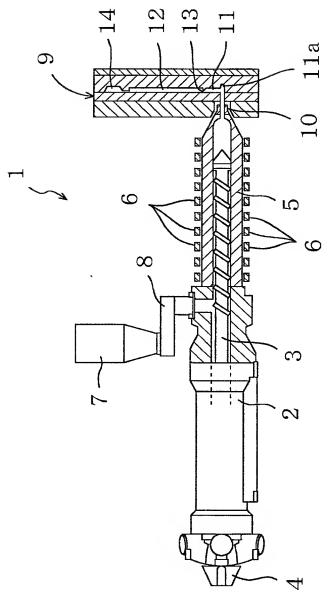


Fig. 2

	A l	Z n	M n	S i	C u	N i	F e	M g
Alloy A	9.1	0.78	0.24	—	0.001	0.0009	0.003	Remainder
Alloy B	6.9	0.60	0.23	0.01	0.002	0.0005	0.002	Remainder
Alloy C	7.2	0.2	0.22	—	0.001	0.0008	0.003	Remainder

Units: mass. %

Fig. 3A

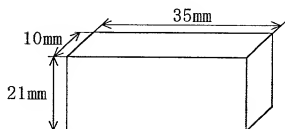


Fig. 3B

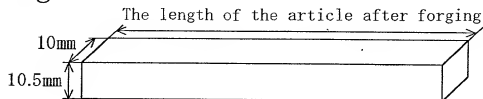


Fig. 4

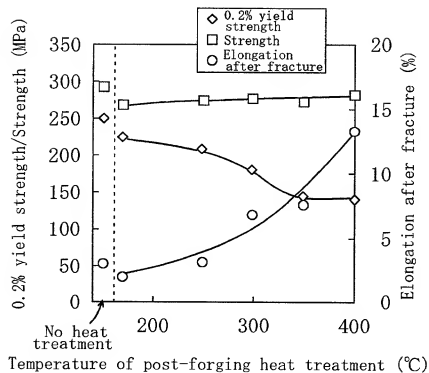
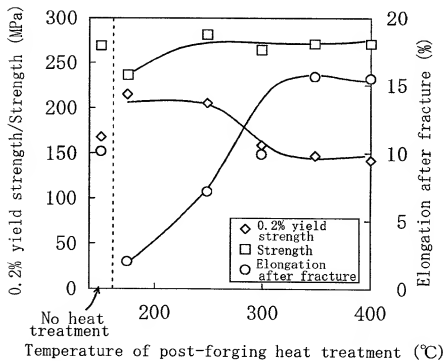


Fig. 5



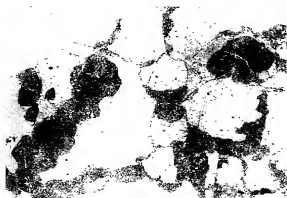


Fig. 6A
T6 treatment



Fig. 6B
processing temperature =300°C



Fig. 6C
processing temperature =350°C



Fig. 6D
processing temperature =400°C

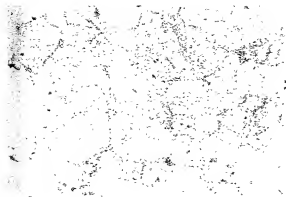


Fig. 7A
T6 treatment

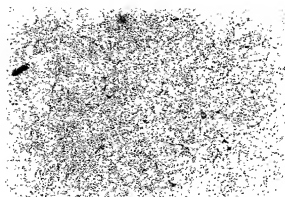


Fig. 7B
processing temperature =300°C

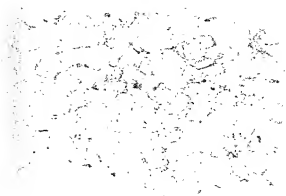


Fig. 7C
processing temperature =350°C

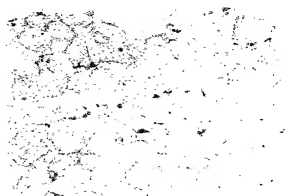


Fig. 7D
processing temperature =400°C

Fig. 8

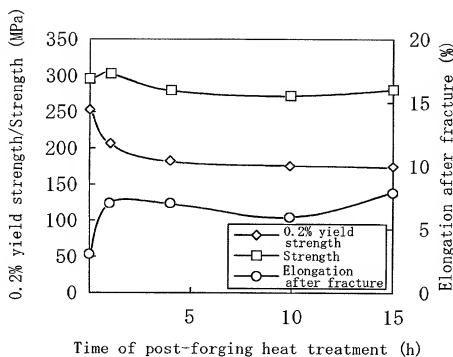


Fig. 9

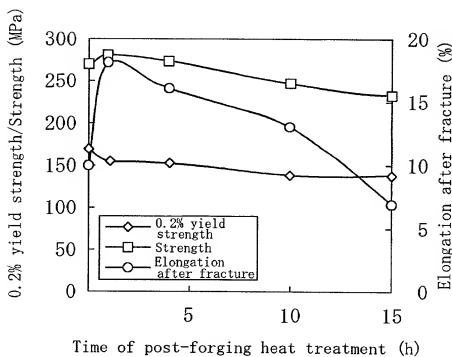


Fig. 10A

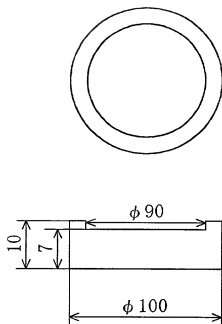


Fig. 10B

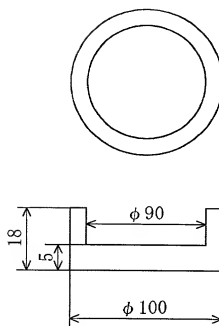


Fig. 11

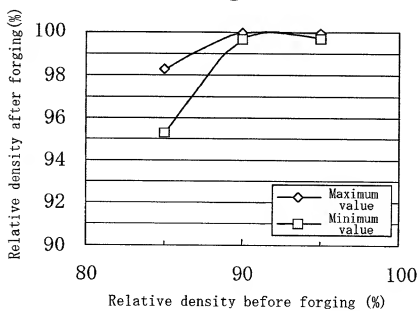
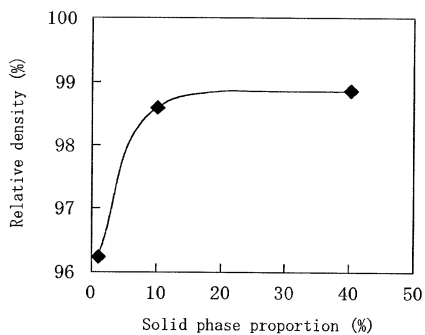


Fig. 12



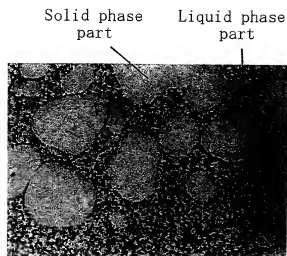


Fig. 13A

Alloy A before heat treatment
Grain boundary

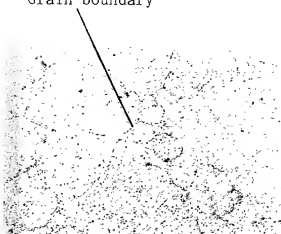


Fig. 13C

Alloy A after heat treatment



Fig. 13B

Alloy B before heat treatment

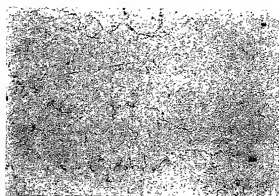


Fig. 13D

Alloy B after heat treatment